of material (procured in all cases on the

side next to the river) should be of

onstant driving over them, and serve

by thorough drainage to keep the level

ause no perceptible abrasion, and with

The levee being thus constructed, I

From the Tennessee line to Memphis

every physical element constituting a

good, safe, permanent roadway, suscen-

tible of the most economical operation

thorough police system for the protect

mile of the levee passed over daily by

This arrangment would offer the mos

base would be about 102 feet.

THE WELCOME.

Anither bairn cam' bame—
Hame to mither and me;
It was yestreen in the gloamin',
When scarce was tight to see
The wee bit face o' the darsin',
That its greetin' o' y was heard,
A' dout crowded neste made a place
To hold anither bird!

Sax little bonnie months,
Ab, me i tak' muckie to fill.
But to grudge the bit i' the seventh,
For mither and me were fill.
Oh! nestle up closer, dearie!
Lie saft on the enawy oreast.
We sere last life fountian floweth
When thy two warm lips are prest.

By the shin in goal in 's band—
By the shinin' goad in 's band—
By this that sail on the sea,
By a harvest that whiten the land.
The rair man countetts his bloosings
By the ring o' volces swee?.
By the hope that slints in bidrales' een,
By the sound o' balrnies' feet.

An' It's welcome hume, my durlin'! An it's we come head, ye in a less o' love
An' it's rever may ye in a less o' love
Trum the lownye erought wi'yr.
Cauld are the blasts o' the wild wind,
An' rough the warid may be,
But warm 's the hams o' the wee one
In the hearts o' mither and me!

BEAUTIFUL PRAGMENT. [FROM THE GERMAN.]

I cannot get over the sotion, Tho' i strive howe'er I may-For it sadly vexes the coun Of pride that fills my clay-But ever deeper and rougher. The truth on my a ul sinks in That I sin—not because I suffer, But suffer because I sin.

MISSISSIPPI LEVEES.

Editors Memphis Appeal: The leveeing the Mississippi rive is again attracting some attention, with a prospect of final consummation through the aid of the Federal Government. Having devoted several years to instrumental surveys of that portion of the river, between Memphis and the mouth of the Yazoo, and much time to personal examination of the country on the cost bank, I ask the space in the APPEAL, to explain the outlines of a plan I projected some years ago for

the reclamation of the Yazoo basin. This is the region lying between the Yazoo, Talishatchie and Coldwater rivers on the east, and the Mississippi on the west-containing about 4,000,000 acres of alluvial hands, the finest in Amer.ca, and situated in the very heart of the cotton zone, between the 32d and 35th parallels of latitude. Nearly the whole of this large area is subject to inundation from the Mississippi. The soil formed by deposits of alluvium from bale of cotton to the aere under the slovenly system of cultivation hithereto practiced, and good doubtless for double that, under an improved system of agriculture. As an evidence of its productiveness, Major Andrew J. Douelson, tiveness, Major Andrew J. Douelson, tiveness and the probability of this read being a phyling institution. The engine for the discoust tiveness and the probability of the traveling time to Mental tive time time time time time time t potatoes from five acres la 1867. In 1860. there were in this district 428,000 acres (about one-tenth of the whole area) in cultivation which produced 220,000 bales (400 lbs each) of cotton; 2,603,000 bushels of earn; 6,600 bushels of wheat; tion of the levers that could be devised 7.645 bushels of oats; 33,200 bushels Experience has demonstrated the system of peas and beans; 29,800 bushels of of inspection hitherte pursued in Mis Irish potatoes; 137,600 bushels of sweet sissippi and Louisiana to be worthless potatoes; 87,200 swine; 10,980 sheep; A railway company having \$3,600,000 69,260 kine; 21,300 horses and mules; involved sould not afford to let the levee valued at \$4,002,000. In addition to break and this would be your sure these was produced more or less of wool, leather, hay, barloy, rye, rice, buckwhoat, honey, butter, fruit and garden vegetables of various kinds, which grow to perfection, showing a climate and soil, graph and train be concentrated at any adapted to the support of a deuse population in great plenty and comfort. The and defects in the administrative system, was badly located; in many places, close upon caving banks and much out by the waves; of very insufficient dimensions, and altogether inadequate to the permanent protection of the distriet; and the consequence was frequent ergyasses, and floods that often devastated large portions of the district, destroying the growing crops, and cattle, and driving the inhabitants from their homes. If under those difficulties such progress was made as these statistics the country is guarranteed absolute immunity from overflow, when its forests are cleared away, and its lakes and swamps are drained, and the whole beswamps are drained, and the whole be-comes filled with a busy, thrifty popula-of Europe, has 432 people to the square

No equal area of the Mississippi for easy protection as this does. The

measure, one vast jungle?

tion, instead of as it is now in a great mile. At that rate, this district would

point, and avoid the folly so often com-

LUCIFER MATCHES.

buckshot or stiff earth, with a wall of From the Cincinnati Chronicle] sand 6 or 8 feet thick in the interior to corporated flesh and bone, had been so unfortunate as to have found themselves in Chicago, and it had been necessary to go through their marriage preparations in the property of the property If Adam and Eve, that first pair inout off the craw fish, one of the most fruitful causes of crevarses in levees. On the front of the levees should be a belt 500 feet in width, as a part of the go through their marriage preparations in the proper Chicago fashion, how long their lond offspring would have had to wait unborn! How would the first family of all first families have got a start in the world? Adam was, so far as we have been informed a poor volume man. right of way, permitted to grow up in thick timber, a living and perpetual sreakwater against the waves of the river during storms; and along the inner base at a distance of twenty feet, hould be cut a sipe ditch, and at the have been informed, a poor young man, further distance of forty feet, another and Eve, it may be pretty confidently afsipe ditch, throwing the material befirmed, (history will bear us out in this tween the two, with cross drains at assertion), had no indulgent, moneysuitable points, to conduct the sipe water made papa to afford her a bridal trousaway from the levee through the natural We fear there would have been drainage of the country; thus forming one long, original divorce, to dam (we n good turn pike for the entire length lieve that is the gentle way of spelling of the levee, which would not only form effectually the course of true love, and excellent highway for travel, but a perfect safeguard to the slopes of the might run. evee, now so much cut to pieces by

And fre ze the gental current of the soul." But, luckily, Eden, although a garien, was not one of the Garden City, dry and prevent sloughing and consequent danger of breaking. I enclose a and tailors and milliners, which were, it seems, not at the service of that primeval cross section of levee and roadway, from couple, were not even demanded by the which it will be seen that the thickness customs of their best society. Satan, through the levee at the highwater line we may here observe, seems to have put Well, the Tribune tells us they are

62 feet at the water line it can never next to impossible there! break. The average thickness at the would donate it to an incorporated railmarket language) costs some eight thoustond company upon condition of their and dollars, making the calculations no having a track and equipping it, and farther than the full of the honeymoon. entering into a bond to maintain it for-ever without further cost to the country. In the first place, however, and not ever without further cost to the country. Counted in this reckoning, is the long therefore, Malcom McLeod became a questioning, saddened glance with which is about 18 miles making the total distance from Memphis to Brunswick 268 long, but more expensive labor, after deprived of a father's guidance and promeans permitted would bridge the Yazoo think yourself the one just suited to her tuition, was consigned to an orphanage and extend the road to Vicksburg. The mind. It is to be hoped you will not substantially as pitiable as that occalight grades and easy curves will per- keep an account of the minor expenses sioned by the actual loss of parents. mit the use of light locomotives, not over this latter hill of difficulty. But exceeding 18 or 20 tons and a light rail the season of bills in earnest begins with and shame which misfortue often easts say 45 or 502ths per yard. Such a road the bethrothal ring and the approach of fully equipped will cost at present prices, the happy day. The ring must take \$500 centuries of floods, is of great depth about \$3,600,000 including the grading, at least. An outfit for yourself, good but magnifying glass that gives to the unand inexhaustible fertility, producing a bridging and superstructure from the not extravagant, is itemized as follows:

are mentioned as follows: guarrante for protection; besides, possessing always un available force of abou Point Succhandkerchief. 200 men, with all the necessary implements for work, which could by tele

years we should see the hardy Irish, very momentous one-in Chicago what German and Dutch emigrants flocking does a wedding come to? And in this fourteen summers. In the latter, who in by thousands to find houses in a congent and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found sound judgment and strong heart; was exactly her own age, Donia found judgment and strong heart; was exactly her own age, Donia found judgment and strong heart; was exactly her own age, Donia found judgment and strong heart; was exactly her own age, Donia found judgment and strong heart; was exactly her own age, Donia found judgment and strong heart; was exactly her own age, Donia found judgment and strong heart; was exactly her own age, Donia found judgment and strong heart; was exactly her own age, Donia found judgment and strong heart; was exactly her own age, Donia found judgment and below her own age. vast cypross and oak forests be cleared in the background by the lawyer's fees soon their lives flowed on together like sions." up and converted into lumber worth afterward. (We are speaking of a wedmillions of dollars—the awamps be ding in Chicago.)

drained and the country filled with But let the Lord of Love, yelept Dan thousands of small farmers, be made to Cupid, who still exists in mythology, be tween them. It was now that the hard the strong heart to bend and never bloom as a garden. The Yazoo basin thanked that if all matches are not made develope, what may we not expect when | in all the elements of climate, soil and | in Heaven, neither are all matches of the products required to support a dense order of Lucifer (suggestive of a fail oping the best traits in the characters of from pride of place and grace) made in—

ber cousins. Her presence was a lamp appreciable wear done the heart; while portion of Europe or America. Bel- Chicago.

Crystal Printing.

sustain a population of 2,363,000. But assuming only the rate of Massachusetts, valle, presents such physical advantages 158 to the mile, and should have a vised by Kuhimann, of Lille, for fixing Adair, the beloved bachelor brother of coupled! for pleasures, like dreams, are population of 864,260. And who can and utilizing as well as reprinting the Mrs. McQueen; a tawyer of rare talent, never finished. I shall, though, find hills on Harn Lake at the Teanessee line doubt that when thoroughly protected, beautiful crystalization figures brought form a natural buttress from which to with ready means of ingress and egress, of late years into fashion for ornament. form a natural buttress from which to start the levee. "hence to the mouth of the Yazoo 350 min." is not a solitary is left to break the line "he entire disinlet to break the line. The entire dis- And here I ask the particular atten- of lead is combined with dextrine, gum disappointment had lowered upon his trict descends castwardly from the Mississippi to the Tallahatchia and district is completely locked in. There is no of the average rate of about four is no egress on the east, for the Tallahatchia and district is completely locked in. There is no oth paper, placed on a heated plate, samer pall, upon his manhood. He studiously avoided the society of ladies, Another year passed. Donia was firmly inches to the mile, and all the streams back in cooling crystalizes in radiinches to the mile, and all the streams hatches and Yazoo rivers—in going the wint a southeasterly direction into the Tall hatches and Yazoo, createally retarning to the Mississippi through the Yazoo. From the Tennessee line to Brunswic, a levee may be built, not excluding My considerable area of excluding My considerable area of explanations and brings him and his explanation and brings him and his explanation and therefore cheap transportation, where he with solar levels are distance of the mile, and all the streams hatches and Yazoo rivers—in going the salt, in cooling crystalizes in radiated concentric groups of beautiful luster. The relative position of these forty, was, with much show of justice, to the interests and pleasures of his three discuss, as he numbered them, he was absorbingly devoted.

Another year passed. Bonia was firmly discussively and ere he had reached the diguity of forty, was, with much show of justice, considered a confirmed misogamist; yet, to the interests and pleasures of his three discuss, as he numbered them, he was absorbingly devoted.

In the summer of 1860 he received a confirmed misogamist; yet, to the interests and pleasures of his three discuss and therefore cheap transportation, on a glass plate, previously well cleaned with solar levels and the society of ladies, and ere he had reached the diguity of forty, was, with much show of justice, considered a confirmed misogamist; yet, to the interests and pleasures of his three divisions of late had been expected at the solar property, and at a perfectly safe distance of the solar property and at a perfectly safe distance of the solar property and at a perfectly safe distance of the solar property and at a perfectly safe distance of the solar property and at a perfectly safe distance of the solar property and at a perfectly safe distance of the solar property and at a perfectly safe distance of the solar property and at a perfect to Memphis, where he with solar property and at a perfect to member and the solar property and at a country and at a perfectly safe distance cotton direct to Memphis, where he from eaving banks and not execeding 250 miles, with maxium grades of one foot to the mile, all descending one way:

The figures him and brings him and his on a glass plane, previously well cleaned in the summer of 1860 he received a with sold lye, and the excess allowed to drain off. The glass is then laid horizontally, and after a time the crystals than land his on a glass plane, previously well cleaned in the summer of 1860 he received a with sold lye, and the excess allowed to drain off. The glass is then laid horizontally, and after a time the crystals. The foreign looking appearance of Donatout to the mile, all descending one way:

mitted, of opposing the levee as a dam | -Reverdy Johnson has accepted and when printed in properly-colored tentions were concentrated upon Donia; to the direct flow of the current. In another invitation to "dine;" this time ink (as a blue tint on a yellow ground) she sang his favorite songs, read his favorite constructing the levee, the great mass with the Manchester authorities. | they cannot be photographed. | vorite books, engaged in his favorite "Never."

LEAN HARD.

Child of my love, "lean hard,"
And let Me feel the pressure of thy care.
I know thy burden, child. I shaped it;
Poised it in mine own hand; made no prope

FIRST AND LAST LOVE.

Donia McLeod was virtually an orphan while her parents lived. Her fathwe should say in the local commercial or touched by the breath of winter, the with a serene countenance and even voice keep it, and, as my first and last love, roseate bloom of her bright, young lite that she greeted "Uncle Archie" the give me your best?" labor of love in seeking the one "just hopeless drunkard, and his beautiful suited to your mind," and the equally wife a confirmed invalid, their only child, Between the double veil of suffering

way of generous compensation, a sort of Archie Adair. tried vision supernatural power to disage of twelve years, she bucame the ful-handkorchief 18 | Fortumery home. On her tender shoulders every lacks the manliness to improve it." Making the unmentionable trifle of \$861, care rested, and it was by her patience, consolation to your servants, the clergy- nounce most lamentable; and yet its fre-

perity are but appogiaturas.
Soon the proud head of Malcom Me-83830 few months more, and his heart-broken put it away, and do not add your future wife had joined him in the "far country happiness to what it has already cost

give, the people would pour in from the exhausted uplands to till the rich alluv-Both had been christened Caledonia, but session is one to be coveted. It has been the name was subsequently divided be- truly said, 'It is the awful privilege of discipline of Donia's early life began to break." bear the richest fruits; her influence and "Still, it is a noble possession; every example operated wenderfully in devel- trial bravely borne, adds a new ply of her cousins. Her presence was a lamp appreciable wear done the heart; while of cheerfulness in seasons of gloom—a the best feelings perfect under the purisweet, refreshing shade to the weary pil-grims who chanced to meet her in their gin a new life, dream new dreams, and journey through the arid wastes of life. seek new pleasures."

with curves of minimum radii of 2.865 reach forth her hand and appropriate with curves of minimum radii of 2.865 reach forth her hand and appropriate may be fixed on the gives by means of feet; with crown of 14 feet; slopes 5 absolutely the whole of the trade of this an alcoholic solution of shellag, or they to 1; and 3 to 1; 6 feet above extreme vast district with its prospective popumay be etched in by exposure for a time the facetions Callie, in especial, his fiery dent with curves of minimum radii of 2.865 reach forth her hand and appropaint of feet, with curves of 14 feet; japes 5 detected in the subject of the subject of

amusements, and soon her trusting heart vas in every thought and feeling his. Time crept by on tip-toe, and when Donald Malloy's departure could be post-

become his wife.

had fallen on the battle field. Ila and loved before, and yet I offer you my first Callie were married. Archie Adair re- love." turned from the war, wearing many a "Loved before, and yet offer me your scar, and resumed the practice of first love! How is that, Uncle Archie?" law. Donia, brave-hearted and hopeful "Simply in this way: the first and to the last, was anxiously expecting the only one I ever loved was your mother, arrival of Donald Malloy, whose pres- and since then, I have continued that ence, she fancied, would dissolve the love in you. I loved your mother, er, a man of the finest physical conformation, with a highly-cultivated mind, gathered around her heart. He came of my heart. I was her senior by one and elegant, even fascinating manners, not, but in his stead a letter-a letter month only; we had played together in o matter how smoothly and regularly it was at one time considered a type of per- breathing such perfidy, weakness and childhood, learned our first lessons tofeet manhood; but in the midsummer of ruthless deception, as froze the blood gether, and alas! in later years, continlife, when every province of earthly within her heart, as seemed to congeal ued to learn lessons of sorrow from the pleasure lay within his grasp; when the very immortality of her soul. It same book, though separated forver. stern fate herself, with her retinue of ac- was an hour of bitterest anguish, a death entered college in my sixteenth year, cidents and ills, seemed chained to his triumphal car, and a fairy genius appeared to attend him, giving the highest attainment to every wish, this mighty lord of creation madly abandoned his strong, heroic, God-trusting woman. The with a promise of marriage; however, I will be 62 feet, and that the slope next to the river will be 5 base to 1 per- foolish turned head of Eve, and set her without a struggle, to the monster habit pendicular, which is but little less than to thinking of something to wear, which that "weaves the winding-sheet souls, even yet, hopefully to the future, the and I determined, as soon as my college the natural slope of a sand bar, 7 to 1. has been the one mighty and prevailing and lays them in the urn of everlasting world was still beautiful, and she would gather only such flowers from the hedges pent devotion. I returned to find her pent devotion. set with Bermuda and the force of the daughters ever afterwards. Consequent- that could be supposed, save a peculiar of time as would not lose their fragrance betrothed to your father. Oh! what an waves being broken by the belt of thick by, marriages are not so easy to manage organization of brain that unfitted him in eternity. Not a sigh was heard; the interminable midnight life appeared to timber in front, the waves will roll up anywhere that we are aware of as in that to bear success. His wife, a woman of only sign of grief visible in her appearance was a film of sadness with which when I stood above her grave, instead of surpassing loveliness, was possessed of surpassing loveliness, was possessed of sadness with which when I stood above her grave, instead of surpassing loveliness, was possessed of surpassing loveliness. sensibilities of such exceeding delicacy her brilliant eyes were overcast, and burying my heart with her there, I trans For, according to the above authority.

The sension of the properties of the propert a respectable marriage (fair to middling, lines had fallen. Like a fragile fuschia torious struggle. At all events, it was disclaim your right to it? Will you

or 270 miles. The company as their making the same, of prevailing on her to tection, and a mother's sympathy and conduct of Malloy. I fear some unhappy change has come over him since the cyes of Archie Adair as he folded to his war. It may be that one of his tempera-heart the noble child of his first love. ment would be liable, in times of great mental depression, to have recourse to dangerous stimulants, though I never upon youth, is sometimes concealed, by saw him under such influence," spoke

he surveyed her.

"Even though it were so, would you urge that in extenuation of his faults? lessly beyond remedy' is, because he

friend and second. Then follow a fare-friend and second. Then follow a fare-well support to bachelor friends, a gift of one so young, we would at once pro-perhaps never 'made a dollar' in his life, abundant wealth suggesting no necessity man's fee, wedding ring and cards, and quent fruitions are of such a character for such an effort; and it must be adyour bill is footed up to \$1600. Mean- as to make it almost an enviable one. mitted that loss of property to one withwhile the bride is under orders "For The noblest cherds of human feeling out the slightest business qualifications Sail," and her little personal belongings acquire a strength and richness by ex- is very nearly akin to rain. I know that ereise and endurance, to which the full- he loved you, whatever may be the aberest notes of hearts suppressed and walled in by circumstances of hereditary prospoor stricken child, and do not hoard up this disappointment. These hidden griefs

"I had hoped as much from your

seven strands of 740 wires each, one strand occupying the center of the cable and being surrounded by the other six. The cables are wrapped from end to end with No. 10 wire, and altogether weigh 1,050,183 pounds. The two bridges

A few doors distant lived Archial " Pleasures and dreams, how fittingly down May 17th, 1854, was constructed on the French plan. This bridge, formand 24 feet wide, was supported by

heard his step in the hall. But what was her surprise when, taking his seat near her, he asked: "Do you believe in second love, Do-

"Even me. Has the time ever beer

unimportant,

move.

"Has the time ever been when you did not love me?"

"Then, will you secept the love of an poned no longer, "he tore himself away," old man like me? I own that it is a bent arrying with him Donia's promise to and battered heart I have to offer you, but not one atom of its morale has been Four years of fickle hopes and fright- lost by the wear of time. It is yours by ful realities passed—then came the black a right that cannot be questioned; and here I must disclose to you a fact that day of despair.

Many changes had taken place in Dr. here I must disclose to you a fact that may seem strange and improbable, but McQueen's family; he, the noble head, which, nevertheless, is true. I have

best love, even when I knew it not, Un-"This is indeed a most unnatural af- ele Adair, and it shall be yours for all There were tears in the splendid grey

bove mentioned are suspended on the

American system of two cables only, as-

ber of small cables, a method which, it

s asserted, is defective. Thus the

ig a span of 1010 from center to center

No. 10 guage. The floor was torn by

the gale into three sections, and all the

The spans of the suspension bridge

given above far exceed those of similar

span in Europe being that at Freidburg.

LEGAL PROCESS .- The Baton Rouge

Gazzette and Comet relates as follows

During the present term of the District

court, a gentleman from the upper por-

other, from their anchorage.

land, which measures 270 feet.

Suspension Bridges. The Ningra suspension bridge, which he ever raised. The enterpillar came up by similar means. Other cases are also was opened to the public on January 1st, to the fields of all his next door neigh- recorded where a hopeless case of 1889, is reported to have the longest single span in the world. The width of The reason for this was he issued the disease in a child were cured by the wrapped in mist. So it was with Donia have no power to change the cardinal the chasm from cliff to cliff, over the sternest orders that not a single bird, sting of a scorpion; and it is said that McLeod. A clearness of perception and balance of judgment belonging to years of maturity seemed superposed upon her naturally fine understanding, and at the naturally fine understanding fine understanding fine understanding fine naturally fi ook an dark, as he expresses it. The of the center of the roadway above the of oats every morning, which were scat-91 or 92 feet at low water. The hight upon the oats, and swarmed in thousands with him, eaveloped in a white cloth a "It is possible that he was deficient in of the water is much affected by the dito which add \$150 for your invited best energy and love that every demestic difis suspended from two cables, formed of twisted wire ropes, seven to each cable, there was a blooming garden in the Modern Inventions for the Millaid one in the center and the others around it. The cables are seven inches is no evil without its remedy; there is in diameter, contain nine hundred and no disease without a cure. thirty-one single wires in each cable, and We know of no species of bird which weigh sixty-three pounds per lineal foot ought to be killed off, except the com-

been swallowed.

The cables are anchored in solid lime-stone rock on the Canadian side, and in the common murderers of almost every olid masoury on the New York side, species of the feathered tribe, They The suspension bridge over the Ohio rob nests, suck the eggs, rob them of for shaving, etc., before the owner is out river, between Cincinnati and Covington, the young and eat them. These or- of bed. Underciptors and other dresses, \$250 each 3700 Leod lay low in an unhonored grave—a are hungry asps upon the vigor of life; Ky., is 1610 feet long between the abutments, but is composed of three spans, out for this reason. one in the center 1057 feet, between We have seen planters killing the granite towers built at low water mark on

white population of the levee passed over daily by white population of 0.212 and the slave population of 0.212 and the estimated cash value of farms \$41.800.000; an average of \$87 per aere for the callitation of the soul o lit up the shadowed streets of the silent best years of my life were wasted upon bridge floor is suspended from two cables. but it is not there then because the wood Each cable is composed of 5180 single pecker has taken it off the ear and plication of which is indicated by the lal lands of the valley, and in a few The question to be first determined is a twelve and one-third inches in diameter. corn it will protect it from the worm. of neatness, expedition and cheapness. Eighteen feet of this wire weigh one He is therefore, your friend and not pound, and 60 wires have an aggregate your enemy; and you should not kill metal section of one square inch. The wires composing the cables are laid par-allel to each other, and are divided into Josh Billings on Frogs.

> Josh Billings replies to a correspondent in this wise : "Benvelio,"-In writing for you an

analysis of the freg. I must confess that I have copied the whole thing vergatus ad liberating, from the work ov a celeisted by stays. The French system one sits in hanging the floor from a numbrated French writer ov the 16th cen-

The frog is, in the first place, a tadpole, aul body and tail, without coming

Wheeling bridge, which was blown He travels in pond holes, by the side of the turnpike, and is acculorated by the activity of his tale, which wiggles with uncommon limberness and vivacity. the towers, with a floor 960 feet long By-and-by, before long, pretty soon, a few days, his tale is no more, and logtwelve cables, six on each side, with an begin to emerge from the south end aggregate number of wires of 6600, of the animal, and from the north end a the same time may be seen a disposition to head out.

cables but two broke loose, one after the In this curious way the frog is built, and then for the first time in his life he egins to git his head above water. His success is now certain, and soon. structures in the old world, the longest in about five days more, he may be seen sitting down on himself by the side ov over the valley of the Sarine, in Switzerthe pond hole, and looking at the dinner baskets ov the children on their way to

the district school. As the children cum more nearer with a club or a chunk or brick in his hand to swott him with, he rares up his behind less and enters the water head fust,

without opening the door. Thus the frog does business for a spel ov a time, till he gits to be twenty-one, and then his life is more ramified.

who paid his honest dues. I don't recallect now whether a frog

bursting the sense.

THE BIRDS AND THE WORRS. SOMETHING NEW IN MEDICINE.

Rheumstism and other Disease 8

The Boll Worm and the Cater-Cured by the Sting of Insects.

pillar.

tion in the Macon (Ga.) Telegraph:

and will now proceed to suggest it.

WHAT A BIRD CAN RAT.

HIS COTTON.

The following is from a communica- From the Providence Jeurnal.] Dr. Desmartis, of Bordenus, France, The boll worm and the caterpillar are has introduced into his practice an exmortal enemies of cotton. They are the traordinary medical remedy for the curs dread of all planters. The plagues of of certain diseases, which is attracting Egypt were no more dreaded in the days much attention from those who have of Moses than are these in the cotton heard of it for the first time. It is a belt of the Southern States. The well established fact in medicine that planter in the spring of the year care- one disease may be cured or prevented fully plows up his grounds, expends ten by inoculation with the virus of another. dollars an acre in fertilizers, plants the It is not equally well known that painseed, obtains a good stand, and rejoices ful maladies may be cured by causing in bright prospects of a bountiful yield. insects to sting the parts affected. Dr. The season advances—the tender plant Desmartis has carried on his experiments has grown into a large stalk—the square on vanomous inoculation for fifteen appears, and he is full of the highest years, and therefore does not speak hope. No matter how few the mins without experience. He has tried his may henceforth be, he is certain of a system on plants and animals with similar results. Plants inoculated with the He picks up a paper. Hark! what virus of a certain animal poison produce does this little paragraph say. The boll some cryptogamia on different parts of worm (or the enterpillar) has appeared their surface; and a second inoculation in a neighboring county. His heart with another animal poison cleared the sinks with in him. He can fight down the plants of these parasitie growth, and of grass, but he can do nothing when this the insects or animalculae which they deadly enemy comes but fold his arms had attracted. It has long been a tradiand see his whole year's work-his tion in medicine that leprony can be whole crop—destroyed by them. Is cured by the poison of certain serpents; there no no remedy? We think there is, and it is well known that poisonous

drugs are freely administered as powerful alteratives in certain diseases. Dr. We believe it is a well known and a Humboldt, a nephew of the great naturwell established fact that the egg of the alist, in his practice at Havana, found caterpillar is laid by a fly, which hatches that the poison of the scorpion was a out the larvæ, and that in a few hours remedy for yellow fever. He inoculated this insect gains sufficient strength to over two thousand men of the military destroy cotton. To prevent the insect and naval garrison; more than six hunwe must killed the fly. This can be dred afterwards were attacked with the done by cultivating birds around our fever, of whom not more than sixteen plantations. One single birds will eat died. hundreds in the course of a single day. A distinguished Frenchman, M do

A friend writes us that he had a pet Gasparin, related the following incident mocking bird which attracted his atten- to Dr. Desmartis: He had long been tion by its ravenous appetite. In order affected with rheumatism, which was to test its capacity, he placed worms attended with great suffering. One day twice its weight before it in one day, and while picking a handful of weeds in his before night the last one of them had garden he was stung by a wasp on his wrist. The arm swelled, but the HOW AN ALABAMA PLANTER SAVED rheumatic pain disappeared. The next day he caused the new remedy to be ap-An intelligent planter of Alabams blied to the seat of pain in his leg, and entirely escaped the ravages of the cater- he was again freed from suffering, and pillar last year, although it destroyed could walk with case. At every subthe cotton upon every other plantation sequent reappearance of the malady for in his county. His crop was the finest the last three years he has been cured bors, but they did not cross his fences. cholers in a man, and an epilepti-form

Among the ingenious and convenient inventions that New York can furnish. the following may be enumerated:

and canable of boiling a quart of water over a farthing wheel of firewood, ready

Spirit Stores and Spirit Kettles, very portable and compact, using spirits of wine or "methylated," spirit for fuel

names, all come under the same category The Norwegian Kitchen, lined with felt, which cooks or keeps tey cold all things consigned to it, as may be de-

The Bushelor's Oven enables the lonely odger to bake, fry and boil, at pleasure, in a tidy space and with a penny worth

The Missie Couldron, an English inention, is no bigger than a lady's retircule, yet will cook anything net too bulky for it, in any way.

The Salamander is applicable chiefly where there is gas, and is a first rate portable kitchen. The Eine lights its own fire, boils water, makes both ten and coffee at the same time, and keeps them hot with less

than a cent's worth of methylated familiar. They suspend the tea in the put or even in the cup, and as boiling water is poured over the herb, almost instantly give you a delicious cup of ten

The Ladies The Maker is a little wire auze silver cup to hold the ten which s put into a teapot full of cold water. A tiny spirit lamp under the pot does the hoiling, and when the beverage is

ready it pours out of itself, into a tea-cup placed beneath the spout. With this self-adjusting tea apparatus we suspend our list, for the present, to resume it and add many curious things, in an ensuing number of our paper.

The Jealousy of Girls.

Girls, too, are awfully jealous of each other. I should call this the girl's distinctive fault. See them when they are introduced, or when they first meet at a Frogs have two natures, ground and ball or eroquet party; see how coldly water, and as free from sin as an oyster. | critical they look at each other, how in-I never knew a frog to hert anybody solently their eyes rove over every portion of their rival's dress; read in their faces the outspoken scorn as the result. has any before legs or not, and if he of their scrutiny; "You think you have don't it ain't anybody's business but the done it verly well, but you have made a fright of yourself, and I am much better Their hind legs are used for refresh- than you!" Watch their disdain of ments, but the rest ov him won't pay for the more admired among them; and how excessively naughty for attracting A frog is the only person who can so much attention they think that Ada live in a well and not get tired.

The bull freg is the bess of the puddle, and has a log to sit on, over on the dressed she is |—how affected she is | the certain protection, peoplems and some doubt the pecuniary success of cultivation of a large district, possessing row on the sistence of a large district, possessing row on the sistence of the mississippi and soil and climate as this. The insert seal of the mississippi and the soil and climate as this. The insert seal of the mississippi and the soil and climate as this. The insert seal of the mississippi and the soil and climate as this. The insert seal of the mississippi and the soil and climate as this. The insert seal of the mississippi and the soil and climate as this. The insert seal of the mississippi and the seal of the mi author closs, but it is tuff to render then let their arms fall as if paralyzed, -The cable says that political news is all its beauties into our tung without tells a volume to those able to read the lettering. - Every Saturday.